

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.

L Number	Hits	Search Text	DB	Time stamp
1	212	706/14.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:39
2	293	706/15.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:35
3	214	706/12.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:35
4	223	706/13.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:35
5	36	((("5871731",6088690,"6144953",5870731,346128,5537593,6219066,6044344,6014658,6226620,5678002,5517654,"4829426","9962018").pn.) or (("5871731",6088690,"6144953",5870731,346128,5537593,6219066,6044344,6014658,6226620,5678002,5517654,"4829426","9962018").pn.) or ("5864833").pn.) or 6269351.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:37
6	1	706/14.ccls. and (((("5871731",6088690,"6144953",5870731,346128,5537593,6219066,6044344,6014658,6226620,5678002,5517654,"4829426","9962018").pn.) or (("5871731",6088690,"6144953",5870731,346128,5537593,6219066,6044344,6014658,6226620,5678002,5517654,"4829426","9962018").pn.) or ("5864833").pn.) or 6269351.pn.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:37
7	1	706/15.ccls. and (((("5871731",6088690,"6144953",5870731,346128,5537593,6219066,6044344,6014658,6226620,5678002,5517654,"4829426","9962018").pn.) or (("5871731",6088690,"6144953",5870731,346128,5537593,6219066,6044344,6014658,6226620,5678002,5517654,"4829426","9962018").pn.) or ("5864833").pn.) or 6269351.pn.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:37
8	1	706/12.ccls. and (((("5871731",6088690,"6144953",5870731,346128,5537593,6219066,6044344,6014658,6226620,5678002,5517654,"4829426","9962018").pn.) or (("5871731",6088690,"6144953",5870731,346128,5537593,6219066,6044344,6014658,6226620,5678002,5517654,"4829426","9962018").pn.) or ("5864833").pn.) or 6269351.pn.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:38
9	2	706/13.ccls. and (((("5871731",6088690,"6144953",5870731,346128,5537593,6219066,6044344,6014658,6226620,5678002,5517654,"4829426","9962018").pn.) or (("5871731",6088690,"6144953",5870731,346128,5537593,6219066,6044344,6014658,6226620,5678002,5517654,"4829426","9962018").pn.) or ("5864833").pn.) or 6269351.pn.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:38
16	13	(706/12.ccls. and 706/13.ccls.) and "21"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:42

17	0	(706/14.ccls. and 706/15.ccls.) and (706/12.ccls. and 706/13.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:43
18	0	(706/14.ccls. and 706/12.ccls.) and (706/15.ccls. and 706/13.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:44
19	0	(706/14.ccls. and 706/13.ccls.) and (706/15.ccls. and 706/12.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:44
10	21	706/14.ccls. and 706/15.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:46
11	26	706/14.ccls. and 706/12.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:44
12	14	706/14.ccls. and 706/13.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:44
13	6	706/15.ccls. and 706/12.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:44
14	6	706/15.ccls. and 706/13.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:44
15	16	706/12.ccls. and 706/13.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:45
20	19	(706/14.ccls. and 706/15.ccls.) and @ad<=20010604	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:46
21	23	(706/14.ccls. and 706/12.ccls.) and @ad<=20010604	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:47
22	14	(706/14.ccls. and 706/13.ccls.) and @ad<=20010604	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:47

23	5	(706/15.ccls. and 706/12.ccls.) and @ad<=20010604	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:47
24	5	(706/15.ccls. and 706/13.ccls.) and @ad<=20010604	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:47
25	14	(706/12.ccls. and 706/13.ccls.) and @ad<=20010604	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:47
27	1	((706/14.ccls. and 706/15.ccls.) and @ad<=20010604) and 706/13.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:57
28	4	((706/14.ccls. and 706/12.ccls.) and @ad<=20010604) and 706/13.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:56
29	0	((706/15.ccls. and 706/12.ccls.) and @ad<=20010604) and 706/13.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:56
26	3	((706/14.ccls. and 706/15.ccls.) and @ad<=20010604) and 706/12.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:56

L Number	Hits	Search Text	DB	Time stamp
1	1	6269351.pn.	USPAT	2004/08/27 10:19

L Number	Hits	Search Text	DB	Time stamp
1	212	706/14.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:39
2	293	706/15.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:35
3	214	706/12.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:35
4	223	706/13.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:35
5	36	((("5871731",6088690,"6144953",5870731,346128,5537593,6219066,6044344,6014658,6226620,5678002,5517654,"4829426","9962018").pn.) or (("5871731",6088690,"6144953",5870731,346128,5537593,6219066,6044344,6014658,6226620,5678002,5517654,"4829426","9962018").pn.) or ("5864833").pn.) or 6269351.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:37
6	1	706/14.ccls. and (((("5871731",6088690,"6144953",5870731,346128,5537593,6219066,6044344,6014658,6226620,5678002,5517654,"4829426","9962018").pn.) or (("5871731",6088690,"6144953",5870731,346128,5537593,6219066,6044344,6014658,6226620,5678002,5517654,"4829426","9962018").pn.) or ("5864833").pn.) or 6269351.pn.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:37
7	1	706/15.ccls. and (((("5871731",6088690,"6144953",5870731,346128,5537593,6219066,6044344,6014658,6226620,5678002,5517654,"4829426","9962018").pn.) or (("5871731",6088690,"6144953",5870731,346128,5537593,6219066,6044344,6014658,6226620,5678002,5517654,"4829426","9962018").pn.) or ("5864833").pn.) or 6269351.pn.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:37
8	1	706/12.ccls. and (((("5871731",6088690,"6144953",5870731,346128,5537593,6219066,6044344,6014658,6226620,5678002,5517654,"4829426","9962018").pn.) or (("5871731",6088690,"6144953",5870731,346128,5537593,6219066,6044344,6014658,6226620,5678002,5517654,"4829426","9962018").pn.) or ("5864833").pn.) or 6269351.pn.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:38
9	2	706/13.ccls. and (((("5871731",6088690,"6144953",5870731,346128,5537593,6219066,6044344,6014658,6226620,5678002,5517654,"4829426","9962018").pn.) or (("5871731",6088690,"6144953",5870731,346128,5537593,6219066,6044344,6014658,6226620,5678002,5517654,"4829426","9962018").pn.) or ("5864833").pn.) or 6269351.pn.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:38
16	13	(706/12.ccls. and 706/13.ccls.) and "21"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:42

17	0	(706/14.ccls. and 706/15.ccls.) and (706/12.ccls. and 706/13.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:43
18	0	(706/14.ccls. and 706/12.ccls.) and (706/15.ccls. and 706/13.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:44
19	0	(706/14.ccls. and 706/13.ccls.) and (706/15.ccls. and 706/12.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:44
10	21	706/14.ccls. and 706/15.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:46
11	26	706/14.ccls. and 706/12.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:44
12	14	706/14.ccls. and 706/13.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:44
13	6	706/15.ccls. and 706/12.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:44
14	6	706/15.ccls. and 706/13.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:44
15	16	706/12.ccls. and 706/13.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:45
20	19	(706/14.ccls. and 706/15.ccls.) and @ad<=20010604	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:46
21	23	(706/14.ccls. and 706/12.ccls.) and @ad<=20010604	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:47
22	14	(706/14.ccls. and 706/13.ccls.) and @ad<=20010604	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:47

23	5	(706/15.ccls. and 706/12.ccls.) and @ad<=20010604	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:47
24	5	(706/15.ccls. and 706/13.ccls.) and @ad<=20010604	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:47
25	14	(706/12.ccls. and 706/13.ccls.) and @ad<=20010604	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/27 22:47